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Process and Device for Managing Automatic Data Flow  
Between Data Processing Units for Operational Order Processing

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**Abstract**

This invention relates to a process and a device for managing automatic data flows between data processing units for order processing, particularly relating to a variant product, that comprises at least one CAD system for product design, one ERP system for resource planning for order processing, and one order preparation device for preparation of the current order, preferably with a display module for preparation of the order to be processed. According to the invention, a central control unit is provided that holds a set of product variables ready for the current variant product, and assigns the values retrieved by the order preparation unit for the product variables to the set of product variables, in order to produce a set of specific product parameters that also automatically generates a set of ERP parameters required by the ERP system for processing the order, and a set of CAD parameters that the CAD system requires for processing the order, in a data format compatible with the CAD system and/or the ERP system and forwards the same to the CAD system and the ERP system. According to the invention, the data retrieved from the various data processing units for processing of an order are compiled in the central control unit into a central set of variables and are filled in by means of retrieval from the order preparation unit. Such variable set with values is further divided into separate ERP data and CAD data that are then processed in the ERP system or the CAD system.